

Appendix 2. Aquifer Test Data Collected for Individual Wells

CONSTANT RATE AQUIFER TEST DATA FORM

Well Name No Name 1				Well Identifier 435038112453401	
Well Depth (feet bls) 550				Well Diameter (inches) 12	
Pump Inlet Depth (feet bls) 266				Setup Information None noted	
E-tape # / Hold Reading (feet bls) #3 / 235.66				Corrected Static Water Level (feet bls) 233.73	
Test Start (Date & Time) 04/05/2017 13:58				Test End (Date & Time) 04/05/2017 16:39	
Elapsed Time (minutes)	E-Tape Reading (feet bls)	Corrected Water Level (feet bls)	Drawdown Δs (feet)	Discharge Q (gpm)	Notes
0:00	235.66	233.73		45	
1:00	236.25	234.32	0.59		
3:00	236.92	234.99	1.26		
5:00	237.79	235.86	2.13		
8:00	239.17	237.24	3.51	45	
10:00	240.27	238.34	4.61	45	
13:00	242.53	240.60	6.87	45	
15:00	243.51	241.58	7.85		
18:00	245.04	243.11	9.38		
20:00	245.96	244.03	10.30		
23:00	247.10	245.17	11.44		
25:00	248.01	246.08	12.35		
28:00	249.39	247.46	13.73		
30:00	250.06	248.13	14.40		
75:00	256.90	254.97	21.24		dirty water
78:00	257.59	255.66	21.93		
80:00	257.86	255.93	22.20		foamy
85:00	258.47	256.54	22.81		
90:00	258.98	257.05	23.32		
95:00	259.37	257.44	23.71		
100:00	259.70	257.77	24.04		
105:00	259.99	258.06	24.33		
110:00	260.16	258.23	24.50		

CONSTANT RATE AQUIFER TEST DATA FORM

Well Name NRF 7				Well Identifier 433920112543601	
Well Depth (feet bls) 415				Well Diameter (inches) 10	
Pump Inlet Depth (feet bls) 403				Setup Information None noted	
E-tape # / Hold Reading (feet bls) #2 / 383.78				Corrected Static Water Level (feet bls) 381.87	
Test Start (Date & Time) 05/10/2017 09:34				Test End (Date & Time) 05/10/2017 15:07	
Elapsed Time (minutes)	E-Tape Reading (feet bls)	Corrected Water Level (feet bls)	Drawdown Δs (feet)	Discharge Q (gpm)	Notes
0:00	383.78	381.87		1.15	
1:00	387.54	378.11	3.76		
5:00	390.08	375.57	6.30		
10:00	390.54	375.11	6.76		
15:00	390.96	374.69	7.18		
20:00	391.30	374.35	7.52		
25:00	391.54	374.11	7.76		
30:00	391.73	373.92	7.95		
35:00	391.87	373.78	8.09		
40:00	391.99	373.66	8.21		
46:00	392.10	373.55	8.32		
50:00	392.18	373.47	8.40		
56:00	392.28	373.37	8.50		
72:00	392.47	373.18	8.69		
90:00	392.60	373.05	8.82	0.8	Measurement used to estimate test
285:00	391.61	374.04	7.83		<i>Discharge (Q) dropped - not used</i>
333:00	391.35	374.30	7.57	0.5	<i>Discharge (Q) dropped - not used</i>

CONSTANT RATE AQUIFER TEST DATA FORM

Well Name USGS 89				Well Identifier 433005113032801	
Well Depth (feet bls) 714				Well Diameter (inches) 6-in to 646 ft bls; 4.8-in. to 714 ft bls	
Pump Inlet Depth (feet bls) 665				Setup Information Just deeped well from 646 to 714 ft bls	
E-tape # / Hold Reading (feet bls) #2 / 606.87				Corrected Static Water Level (feet bls) 606.87 - Not ajusted for casing stickup	
Test Start (Date & Time) 05/22/2018 15:26				Test End (Date & Time) 05/22/2018 16:36	
Elapsed Time (minutes)	E-Tape Reading (feet bls)	Corrected Water Level (feet bls)	Drawdown Δs (feet)	Discharge Q (gpm)	Notes
0:00	606.87	606.87			Control box set to 58Hz
2:00	608.79	608.79	1.92	9	
4:00	609.31	609.31	2.44	9	
6:00	609.78	609.78	2.91		
10:00	612.66	612.66	5.79		
12:00	613.27	613.27	6.40		
14:00	613.51	613.51	6.64	10	Q note reported for all time intervals
16:00	614.09	614.09	7.22		
18:00	614.52	614.52	7.65		
20:00	615.07	615.07	8.20		
22:00	615.49	615.49	8.62		
24:00	616.51	616.51	9.64		
26:00	616.71	616.71	9.84	9	Q note reported for all time intervals
30:00	616.85	616.85	9.98		
32:00	617.41	617.41	10.54	10.8	Contol box at 60Hz
34:00	617.91	617.91	11.04		
40:00	625.23	625.23	18.36		
42:00	628.43	628.43	21.56		
46:00	630.94	630.94	24.07		
48:00	633.35	633.35	26.48		
50:00	634.61	634.61	27.74		
55:00	637.41	637.41	30.54		
57:00	639.19	639.19	32.32	9.5	Q note reported for all time intervals
63:00	641.91	641.91	35.04	10.1	
68:00	644.66	644.66	37.79		
70:00	645.11	645.11	38.24		Pump shut off

CONSTANT RATE AQUIFER TEST DATA FORM

Well Name USGS 111				Well Identifier 433331112560501	
Well Depth (feet bls) 560				Well Diameter (inches) 8	
Pump Inlet Depth (feet bls) 506				Setup Information None noted	
E-tape # / Hold Reading (feet bls) #2 / 484.04				Corrected Static Water Level (feet bls) 475.69	
Test Start (Date & Time) 04/26/2017 09:12				Test End (Date & Time) 04/26/2017 09:42	
Elapsed Time (minutes)	E-Tape Reading (feet bls)	Corrected Water Level (feet bls)	Drawdown Δs (feet)	Discharge Q (gpm)	Notes
0:00	484.04	475.69	0		Possible water level measurement line
8:00	489.01	480.66	4.97	18	obstruction, unable to get reading until
10:00	488.72	480.37	4.68		8 minutes after pump started.
11:00	488.41	480.06	4.37		
12:00	488.41	480.06	4.37		
13:00	488.52	480.17	4.48		
14:00	488.64	480.29	4.60		
15:00	488.91	480.56	4.87		
16:00	488.58	480.23	4.54		
17:00	488.42	480.07	4.38		
18:00	488.85	480.50	4.81		
19:00	488.59	480.24	4.55		
20:00	488.14	479.79	4.10		
21:00	488.22	479.87	4.18		
22:00	488.32	479.97	4.28		
23:00	488.52	480.17	4.48		
24:00	488.52	480.17	4.48	6	Q dropped from 18 to 6 gpm during test
25:00	488.42	480.07	4.38		
26:00	488.48	480.13	4.44		
27:00	488.51	480.16	4.47		
28:00	488.42	480.07	4.38		
29:00	488.24	479.89	4.20		
30:00	488.31	479.96	4.27		Q not measured at each time interval

CONSTANT RATE AQUIFER TEST DATA FORM

Well Name USGS 119				Well Identifier 432945113023401	
Well Depth (feet bls) 705				Well Diameter (inches) 6.5	
Pump Inlet Depth (feet bls) 685				Setup Information Well pumped dry, used data to 33 min.	
E-tape # / Hold Reading (feet bls) #2 / 614.20				Corrected Static Water Level (feet bls) 611.66	
Test Start (Date & Time) 04/18/2017 10:12				Test End (Date & Time) 04/18/2017 11:17	
Elapsed Time (minutes)	E-Tape Reading (feet bls)	Corrected Water Level (feet bls)	Drawdown Δs (feet)	Discharge Q (gpm)	Notes
0:00	614.20	611.66			
1:00	628.82	626.28	14.62	4.6	
2:30	636.72	634.18	22.52		
3:00	639.27	636.73	25.07		
4:00	640.20	637.66	26.00		
5:00	641.42	638.88	27.22		
6:00	642.85	640.31	28.65		
7:00	644.42	641.88	30.22		
8:30	646.18	643.64	31.98		
9:00	646.88	644.34	32.68		
10:00	646.50	643.96	32.30		
15:00	653.10	650.56	38.90	4.3	
20:00	656.70	654.16	42.50		
33:30	664.28	661.74	50.08		ENDED TEST HERE
38:00					Well pumped dry.
60:00					Restarted pump.
61:00	639.56	637.02	25.36		
62:00	644.82	642.28	30.62		
65:00	645.03	642.49	30.83	4.3	

